

RAW SEQUENCE LISTING

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Application Serial Number: 10/705,401
Source: JFWO
Date Processed by STIC: 10/18/04

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IFWO

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/705,401 DATE: 10/18/2004
 TIME: 14:36:20

Input Set : A:\PTO.FG.txt
 Output Set: N:\CRF4\10182004\J705401.raw

3 <110> APPLICANT: Clausen, Henrik
 4 Bennett, Eric P.
 6 <120> TITLE OF INVENTION: METHODS TO IDENTIFY AGENTS MODULATING FUNCTIONS OF
 POLYPEPTIDE GALNAC-
 7 TRANSFERASES, PHARMACEUTICAL COMPOSITIONS COMPRISING SUCH AGENTS AND THE
 8 USE OF SUCH AGENTS FOR PREPARING MEDICAMENTS
 W--> 9 <130> FILE REFERENCE: 04305/100H154-US2
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/705,401
 C--> 11 <141> CURRENT FILING DATE: 2003-11-10
 11 <150> PRIOR APPLICATION NUMBER: US 60/425,204
 12 <151> PRIOR FILING DATE: 2002-11-08
 14 <150> PRIOR APPLICATION NUMBER: PCT/DK03/00763
 15 <151> PRIOR FILING DATE: 2003-11-07
 17 <160> NUMBER OF SEQ ID NOS: 127
 19 <170> SOFTWARE: PatentIn version 3.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 20
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: synthetic peptide
 29 <400> SEQUENCE: 1
 31 His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr
 32 1 5 10 15
 35 Ala Pro Pro Ala
 36 20
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 24
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Artificial Sequence
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: synthetic peptide
 47 <400> SEQUENCE: 2
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 50 1 5 10 15
 53 Ala Pro Gly Ser Thr Ala Pro Pro
 54 20
 57 <210> SEQ ID NO: 3
 58 <211> LENGTH: 167
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Homo sapiens
 62 <400> SEQUENCE: 3
 64 Tyr Gly Asp Ile Ser Ser Arg Val Gly Leu Arg His Lys Leu Gln Cys
 65 1 5 10 15

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68 Lys Pro Phe Ser Trp Tyr Leu Glu Asn Ile Tyr Pro Asp Ser Gln Ile
69          20           25           30
72 Pro Arg His Tyr Phe Ser Leu Gly Glu Ile Arg Asn Val Glu Thr Asn
73          35           40           45
76 Gln Cys Leu Asp Asn Met Ala Arg Lys Glu Asn Glu Lys Val Gly Ile
77          50           55           60
80 Phe Asn Cys His Gly Met Gly Gly Asn Gln Val Phe Ser Tyr Thr Ala
81 65          70           75           80
84 Asn Lys Glu Ile Arg Thr Asp Asp Leu Cys Leu Asp Val Ser Lys Leu
85          85           90           95
88 Asn Gly Pro Val Thr Met Leu Lys Cys His His Leu Lys Gly Asn Gln
89          100          105          110
92 Leu Trp Glu Tyr Asp Pro Val Lys Leu Thr Leu Gln His Val Asn Ser
93          115          120          125
96 Asn Gln Cys Leu Asp Lys Ala Thr Glu Glu Asp Ser Gln Val Pro Ser
97          130          135          140
100 Ile Arg Asp Cys Asn Gly Ser Arg Ser Gln Gln Trp Leu Leu Arg Asn
101 145          150          155          160
104 Val Thr Leu Pro Glu Ile Phe
105          165
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109 <211> LENGTH: 164
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
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115 Tyr Gly Asn Ile Gln Ser Arg Leu Glu Leu Arg Lys Lys Leu Ser Cys
116 1          5           10           15
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120          20           25           30
123 Pro Asp His Gln Asp Ile Ala Phe Gly Ala Leu Gln Gln Gly Thr Asn
124          35           40           45
127 Cys Leu Asp Thr Leu Gly His Phe Ala Asp Gly Val Val Gly Val Tyr
128          50           55           60
131 Glu Cys His Asn Ala Gly Gly Asn Gln Glu Trp Ala Leu Thr Lys Glu
132 65          70           75           80
135 Lys Ser Val Lys His Met Asp Leu Cys Leu Thr Val Val Asp Arg Ala
136          85           90           95
139 Pro Gly Ser Leu Ile Lys Leu Gln Gly Cys Arg Glu Asn Asp Ser Arg
140          100          105          110
143 Gln Lys Trp Glu Gln Ile Glu Gly Asn Ser Lys Leu Arg His Val Gly
144          115          120          125
147 Ser Asn Leu Cys Leu Asp Ser Arg Thr Ala Lys Ser Gly Gly Leu Ser
148          130          135          140
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152 145          150          155          160
155 Asn Leu Gln Gln
159 <210> SEQ ID NO: 5
160 <211> LENGTH: 167
161 <212> TYPE: PRT

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162 <213> ORGANISM: Homo sapiens
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 166 Phe Gly Asp Leu Ser Lys Arg Phe Glu Ile Lys His Arg Leu Arg Cys
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 170 Lys Asn Phe Thr Trp Tyr Leu Asn Asn Ile Tyr Pro Glu Val Tyr Val
 171 20 25 30
 174 Pro Asp Leu Asn Pro Val Ile Ser Gly Tyr Ile Lys Ser Val Gly Gln
 175 35 40 45
 178 Pro Leu Cys Leu Asp Val Gly Glu Asn Asn Gln Gly Gly Lys Pro Leu
 179 50 55 60
 182 Ile Met Tyr Thr Cys His Gly Leu Gly Gly Asn Gln Tyr Phe Glu Tyr
 183 65 70 75 80
 186 Ser Ala Gln His Glu Ile Arg His Asn Ile Gln Lys Glu Leu Cys Leu
 187 85 90 95
 190 His Ala Ala Gln Gly Leu Val Gln Leu Lys Ala Cys Thr Tyr Lys Gly
 191 100 105 110
 194 His Lys Thr Val Val Thr Gly Glu Gln Ile Trp Glu Ile Gln Lys Asp
 195 115 120 125
 198 Gln Leu Leu Tyr Asn Pro Phe Leu Lys Met Cys Leu Ser Ala Asn Gly
 199 130 135 140
 202 Glu His Pro Ser Leu Val Ser Cys Asn Pro Ser Asp Pro Leu Gln Lys
 203 145 150 155 160
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 211 <211> LENGTH: 174
 212 <212> TYPE: PRT
 213 <213> ORGANISM: Homo sapiens
 215 <400> SEQUENCE: 6
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 218 1 5 10 15
 221 Cys Lys Ser Phe Asp Trp Tyr Leu Lys Asn Val Phe Pro Asn Leu His
 222 20 25 30
 225 Val Pro Glu Asp Arg Pro Gly Trp His Gly Ala Ile Arg Ser Arg Gly
 226 35 40 45
 229 Ile Ser Ser Glu Cys Leu Asp Tyr Asn Ser Pro Asp Asn Asn Pro Thr
 230 50 55 60
 233 Gly Ala Asn Leu Ser Leu Phe Gly Cys His Gly Gln Gly Gly Asn Gln
 234 65 70 75 80
 237 Phe Phe Glu Tyr Thr Ser Asn Lys Glu Ile Arg Phe Asn Ser Val Thr
 238 85 90 95
 241 Glu Leu Cys Ala Glu Val Pro Glu Gln Lys Asn Tyr Val Gly Met Gln
 242 100 105 110
 245 Asn Cys Pro Lys Asp Gly Phe Pro Val Pro Ala Asn Ile Ile Trp His
 246 115 120 125
 249 Phe Lys Glu Asp Gly Thr Ile Phe His Pro His Ser Gly Leu Cys Leu
 250 130 135 140
 253 Ser Ala Tyr Arg Thr Pro Glu Gly Arg Pro Asp Val Gln Met Arg Thr
 254 145 150 155 160

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257 Cys Asp Ala Leu Asp Lys Asn Gln Ile Trp Ser Phe Glu Lys
258 165 170
261 <210> SEQ ID NO: 7
262 <211> LENGTH: 168
263 <212> TYPE: PRT
264 <213> ORGANISM: Homo sapiens
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269 1 5 10 15
272 Cys Lys Ser Phe Lys Trp Tyr Leu Glu Asn Val Phe Pro Asp Leu Arg
273 20 25 30
276 Ala Pro Ile Val Arg Ala Ser Gly Val Leu Ile Asn Val Ala Leu Gly
277 35 40 45
280 Lys Cys Ile Ser Ile Glu Asn Thr Thr Val Ile Leu Glu Asp Cys Asp
281 50 55 60
284 Gly Ser Lys Glu Leu Gln Gln Phe Asn Tyr Thr Trp Leu Arg Leu Ile
285 65 70 75 80
288 Lys Cys Gly Glu Trp Cys Ile Ala Pro Ile Pro Asp Lys Gly Ala Val
289 85 90 95
292 Arg Leu His Pro Cys Asp Asn Arg Asn Lys Gly Leu Lys Trp Leu His
293 100 105 110
296 Lys Ser Thr Ser Val Phe His Pro Glu Leu Val Asn His Ile Val Phe
297 115 120 125
300 Glu Asn Asn Gln Gln Leu Leu Cys Leu Glu Gly Asn Phe Ser Gln Lys
301 130 135 140
304 Ile Leu Lys Val Ala Ala Cys Asp Pro Val Lys Pro Tyr Gln Lys Trp
305 145 150 155 160
308 Lys Phe Glu Lys Tyr Tyr Glu Ala
309 165
312 <210> SEQ ID NO: 8
313 <211> LENGTH: 165
314 <212> TYPE: PRT
315 <213> ORGANISM: Homo sapiens
317 <400> SEQUENCE: 8
319 Ser Phe Gly Asp Ile Ser Glu Arg Leu Gln Leu Arg Glu Gln Leu His
320 1 5 10 15
323 Cys His Asn Phe Ser Trp Tyr Leu His Asn Val Tyr Pro Glu Met Phe
324 20 25 30
327 Val Pro Asp Leu Thr Pro Thr Phe Tyr Gly Ala Ile Lys Asn Leu Gly
328 35 40 45
331 Thr Asn Gln Cys Leu Asp Val Gly Glu Asn Asn Arg Gly Gly Lys Pro
332 50 55 60
335 Leu Ile Met Tyr Ser Cys His Gly Leu Gly Gly Asn Gln Tyr Phe Glu
336 65 70 75 80
339 Tyr Thr Thr Gln Arg Asp Leu Arg His Asn Ile Ala Lys Gln Leu Cys
340 85 90 95
343 Leu His Val Ser Lys Gly Ala Leu Gly Leu Gly Ser Cys His Phe Thr
344 100 105 110
347 Gly Lys Asn Ser Gln Val Pro Lys Asp Glu Glu Trp Glu Leu Ala Gln

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348	115	120	125
351	Asp Gln Leu Ile Arg Asn Ser Gly Ser Gly Thr Cys Leu Thr Ser Gln		
352	130	135	140
355	Asp Lys Lys Pro Ala Met Ala Pro Cys Asn Pro Ser Asp Pro His Gln		
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359	Leu Trp Leu Phe Val		
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365	<212> TYPE: PRT		
366	<213> ORGANISM: Homo sapiens		
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370	Tyr Gly Asp Ile Ser Glu Leu Lys Lys Phe Arg Glu Asp His Asn Cys		
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			15
374	Gln Ser Phe Lys Trp Phe Met Glu Glu Ile Ala Tyr Asp Ile Thr Ser		
375	20	25	30
378	His Tyr Pro Leu Pro Pro Lys Asn Val Asp Trp Gly Glu Ile Arg Gly		
379	35	40	45
382	Phe Glu Thr Ala Tyr Cys Ile Asp Ser Met Gly Lys Thr Asn Gly Gly		
383	50	55	60
386	Phe Val Glu Leu Gly Pro Cys His Arg Met Gly Gly Asn Gln Leu Phe		
387	65	70	75
			80
390	Arg Ile Asn Glu Ala Asn Gln Leu Met Gln Tyr Asp Gln Cys Leu Thr		
391	85	90	95
394	Lys Gly Ala Asp Gly Ser Lys Val Met Ile Thr His Cys Asn Leu Asn		
395	100	105	110
398	Glu Phe Lys Glu Trp Gln Tyr Phe Lys Asn Leu His Arg Phe Thr His		
399	115	120	125
402	Ile Pro Ser Gly Lys Cys Leu Asp Arg Ser Glu Val Leu His Gln Val		
403	130	135	140
406	Phe Ile Ser Asn Cys Asp Ser Ser Lys Thr Thr Gln Lys Trp Glu Met		
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415	<211> LENGTH: 179		
416	<212> TYPE: PRT		
417	<213> ORGANISM: Homo sapiens		
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			15
425	Lys Thr Phe Asp Trp Tyr Leu Lys Asn Val Tyr Pro Leu Leu Lys Pro		
426	20	25	30
429	Leu His Thr Ile Val Gly Tyr Gly Arg Met Lys Asn Leu Leu Asp Glu		
430	35	40	45
433	Asn Val Cys Leu Asp Gln Gly Pro Val Pro Gly Asn Thr Pro Ile Met		
434	50	55	60
437	Tyr Tyr Cys His Glu Phe Ser Ser Gln Asn Val Tyr Tyr His Leu Thr		
438	65	70	75
			80

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/18/2004
PATENT APPLICATION: US/10/705,401 TIME: 14:36:21

Input Set : A:\PTO.FG.txt
Output Set: N:\CRF4\10182004\J705401.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 7

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/705,401

DATE: 10/18/2004

TIME: 14:36:21

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Output Set: N:\CRF4\10182004\J705401.raw

L:9 M:283 W: Missing Blank Line separator, <130> field identifier

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date